

Father John's
Medicine

Best for Colds, throat and lungs. Builds you up. No Alcohol or dangerous drugs.

SUNDAY WORLD "WANTS" WORK MONDAY WONDERS.

ROLLO DANCE POPULAR AT CENTRAL PALACE.

In addition to the beautiful quarters of the dancing carnival and the rollo dance at the Grand Central Palace, the management has opened a separate division on the third floor for bowling and billiards. Since outdoor skating has been shut off on account of the warm weather, thousands of people have taken advantage of rollo dancing. This is roller skating to dance music. Manager Grundy reports that dancing at the Palace is as brisk as ever and he predicts that the lovers of the dance will continue to trip and trot for a long time to come.

BOSTONIAN BURLESQUERS AT EMPIRE, BROOKLYN.

The attraction at the Empire Theatre, Ralph Avenue and Broadway, Brooklyn, will be Charles H. Waldron's Bostonian Burlesquers. The company is headed by the comedian, Frank Finney. The feminine contingent, which includes a beauty chorus of singing and dancing girls, is led by Florence Mills. The entertainment offers three features: "Gingie Gangle," a depot tangle; "Sweeney's Speech," a political satire, and "The Isle of Nowhere," a Chinese fantasy. The latest songs will be introduced. There will be the usual Sunday concert to-morrow night.

What You Want to Know About Your Auto and How To Drive and Keep It

Expert Advice How to Keep Automobiles Running Smoothly and the Best Way to Remedy Machine Trouble—Traffic Suggestions and Pleasure Routes for Evening World Readers.

By GEORGE H. ROBERTSON.



GEORGE H. ROBERTSON

THE majority of motorists who use pneumatic tires are ignorant as to the difference and process of manufacture of the various types of tires. The general design of practically all outer casings is the same, with only a few changes of structural detail. For instance, some makers will use a finer fabric and more layers than others. Each manufacturer has his own formula for compounding rubber to the best advantage. Some tires are made with a straight side at the base instead of the clincher head, while others are adapted to be secured to the rim by means of bolts. There is also a difference in the thickness of the tread and of the padding and breaker strips. Some makers build their tires by what is known as the moulded process, while others favor the wrapped tread construction. In the first mentioned method, after the various layers of material of which the tire is composed are assembled together on the core, the assembled tire is clamped tightly in the mould and vulcanized. In the wrapped tread construction, instead of curing the rubber in a mould, the finished tire assembly is wound tightly with various strips of webbing to hold the parts together while the curing process is taking place. The various members of which the tires are composed are vulcanized by being heated with steam. Sulphur is included in the rubber compounds to permit them to become firmly welded to the friction fabric layers between which they are placed.

Automobile Editor:

Will you inform me just what measurements are taken into consideration in determining the "per cent." of a grade? How does the custom in this country vary from that employed in England? JOHN JOEL.

The steepness of a grade in this country is determined by dividing the vertical height by the horizontal distance travelled. Thus, if a hill rises 100 feet in a horizontal distance of 400, this would be known as a "25 per cent. grade." In England the number of feet of travel required to rise one foot forms the definition of a grade. Thus a hill of this same steepness in England would be known as a "1 to 4."

Automobile Editor:

Can you tell me what are the temperatures at which gasoline will fail to vaporize and what effect this will have on starting an engine on a cold morning, assuming the motor to be equipped with a self-starter that will spin it as long as is necessary to obtain the first explosion? MARTIN NORRIS.

Some laboratory tests that were recently made in a cold storage vault at one of the leading factories show that the lowest temperature at which gasoline would evaporate from a piece of waste was five degrees above zero Fahrenheit. The motor, however, could be started with difficulty at this temperature, because of the suction of the air through the carburetor. At a slightly lower temperature it was necessary to apply heated cloths to the carburetor before the motor could be started. This method was effective to a point of twelve degrees below zero, which was the lowest temperature at which the test was tried.

Automobile Editor:

When climbing a rather long hill on high gear I find that my motor overheats. I had always supposed that it was second and first speeds that caused the motor to overheat, due to the increased amount of explosions without an attendant increase in the speed of the car to form the rush of air necessary for cooling.

A car can overheat when operated on a high gear under a heavy load. This is because the throttle is open full width, with the result that the maximum amount of heat is formed at each explosion. The car is under heavy load, however, and consequently its speed is not as great as would be the case were it running on the level, and there is no proportionate cooling effect corresponding to that position of the throttle.

Automobile Editor:

There is a loose engine bearing in my light, four-cylinder runabout that causes the motor to knock when running up a hill. Is it possible to tighten this bearing by removing the case under the engine so that the entire motor need not be taken apart? WILLIAM SANDELS.

It is evidently one of the connecting rod bearings that is loose, if the trouble lies at the "big end," or bearing at which the connecting rod joins the crank shaft, it may be tightened by removing the crank case and leaving the rest of the motor undisturbed. The nuts holding the two halves of this bearing in place should be loosened, and one or more of the thin strips, or "shims," separating them may then be withdrawn. This will allow the two halves of the bearing to be held close together, but care should be taken to prevent the bearing from slipping down tightly. There should be a sufficient number of shims remaining to enable the bolts to be screwed down tightly without bringing a great amount of pressure to bear on the crank pin. If the looseness is in the other end, or "wrist pin" bearing of the connecting rod, the cylinders of the motor must be removed in order to reach the piston.

Automobile Editor:

I have a runabout with planetary transmission. I am bothered by the clutch band slipping on long hills, and although I have had it retined and have taken it up as much as I dare, it still bothers me. What can I do to remedy the difficulty? WILLIAM ROBERTS.

As long as you have retined the band and have tightened it as much as is possible, it is probable that some oil or grease has reached the outer surface of the clutch. Look carefully to see that your transmission housing

does not throw oil on the lining of the band. If you find that the band has become well soaked with oil or grease a small amount of powdered resin sprinkled on the inner surface may improve its gripping qualities. After the oil leak in the housing has been stopped, be careful not to sprinkle too much resin on the band, however, as this will cause it to "bite" and thus prevent freedom of revolution on the other speeds. But the safer proceeding would be to put on another new clutch band and keep this free from oil or grease from the transmission. You are then sure of a low-speed gear that will "hold" on the steepest grade.

Automobile Editor:

Would it injure a tire badly to run it on the rim for a short distance? C. B. ALDRONSON.

It is not generally realized to what extent an ordinary tire may be damaged if it is not removed after a blow-out has occurred. To run the car even a few hundred yards with a flat tire may so cut the tread and fabric that the entire casing will be damaged beyond the possibility of repair. It is the best plan to stop the car immediately and to remove the punctured tire, but if this is impracticable or impossible, it is better that the casing and tube should be removed and the car "run on its rim." Of course, if the offending tire is an old one that is not worth repairing it would be only a waste of time to stop to remove it and then proceed on the rim. The ordinary blowout, however, is easily repaired if the tire is cared for properly after the accident occurs.

Automobile Editor:

Would reboring a set of Ford cylinders 1-32 oversize make the walls of the cylinder thinner? Would aluminum pistons be a success in a Ford engine, and are they durable? C. A. B.

The reboring of a cylinder the amount you mention depends entirely upon the amount of material you have in the cylinder walls. Unless you have more than enough stock in the cylinder walls would not advise you to take out so much. Aluminum pistons are being manufactured at the present time by reliable concerns and are very good. They are lighter, fit better and improve the running of the motor to a great extent.

Automobile Editor:

I have a Pierce-Arrow 48-horsepower. I can't make any speed without the cut-out, and when I use the cut-out I am told by policemen to stop it. I can make sixty-five miles an hour with the cut-out; without it I can't make twenty-five miles an hour. Would you advise me to turn the car over to the Pierce-Arrow people or get it overhauled? J. G.

Automobile Editor:

In taking down the engine of an automobile I find four cracked intake and exhaust valves. Kindly let me know the cause in your next issue. WHELANTON.

The cause of a cracked valve sometimes depends upon the location of the crack. Many valves are constructed with the head welded to the shank, in which case the welding may be at fault. The material itself is usually the chief cause of cracking. A good steel, if properly treated, will hardly ever crack.

MOTORISTS' PROBLEMS SOLVED

George H. Robertson, America's foremost expert on all matters of the motor, will give a course in "Automobile Owners' Prospective Owners' School" at 225 West 57th Street, at Broadway, New York, N. Y., Saturday evening, at 8 o'clock. Special Classes for Ladies. Call or write for booklet.

Stewart Auto School

225 WEST 57TH STREET (at Broadway)

Men desiring to be trained as

Motor Truck Drivers or as Chauffeurs

can get full information without any obligation by writing to Mr. J. K. O'Donnell, 225 West 57th Street, New York, N. Y.

AUTOMOBILE SCHOOL, 225 W. 57th St., New York.

MOST DAZZLING OF ALL WILL BE THIS YEAR'S GREAT CHARITY BALL

The Fifty-ninth Charity Ball will be given at the Waldorf-Astoria Tuesday evening, Feb. 1. As always, the proceeds will be devoted to the New York Nursery and Child's Hospital. No large has been the sale of tickets that arrangements have been made for dancing in the Great Ball Room, the Astor Gallery, the Myrtle Room and East Room, with music by three bands.

There is every indication of a ball more brilliant than any in the history of the institution. Officers of the army from Governor's Island and of the navy from the Brooklyn Navy Yard will attend in a body in full dress uniform, as will hundreds of officers of the National Guard. Members of the many dancing classes, which have been meeting through the winter have arranged to be present as groups. A number of dinners are to be given Tuesday evening by those who will take their guests to the ball.

Mrs. Frank Sullivan Smith of the Plaza Hotel will entertain Lord and Lady Abernethy, Judge Parker and others and forty debutantes. Gen. and Mrs. Charles F. Roe of No. 35 East Thirty-seventh Street will entertain Mr. and Mrs. Adams Patchell, Mr. and Mrs. Howard Slade, Mrs. Prescott Slade and Capt. Julian Lindsay of the United States Army.

Other dinners will be given by Mrs. Frank S. Witherbee for her daughter, Miss Evelyn S. Witherbee; Mr. and Mrs. Waldron Williams for their daughter, Miss Hope Williams; Mrs. Mayo-Smith for her daughter, Miss Amabel Mayo-Smith; Mr. and Mrs. Edward Fairbairn Darrell, Miss David Oliphant Haynes and Mrs. George Dallas Yeomans.

THE LIBERTY GIRLS COLUMBIA'S SHOW.

At the Columbia Theatre the Liberty Girls will present a new burlesque called "The Manless Isle," in two acts and ten scenes, written by Jack Conway, the featured comedian of the company. Starting in the ballroom of a fashionable New York hotel, the story carries the spectators to localities that furnish opportunities for brilliant and picturesque scenic and costume displays and that bring the leading characters into surroundings that admit of many highly amusing incidents. Among them are the interior of the palace of the Sultan of Egypt, a pastoral scene in Normandy, a fête day in Barcelona, an African jungle, and the

crystal palace on the mythical Manless Isle. Tom Kelly, a retired American contractor, impersonated by Mr. Conway, encounters all sorts of difficulties and embarrassments in those countries whose customs are strange to him, notably in his experiences in the Sultan's palace and during his sojourn in Spain, where he is forced to take the place of a matador at a bull fight, and later when he is compelled to marry an African princess or suffer the penalty of being roasted alive. Interspersed with the funmaking are musical numbers and vaudeville features. Assisting Mr. Conway are Sam Hachen, Edna Joers, William Patrie, Tom Welch, Jennie Ross, Kathryn Dickey, Jerry O'Donnell and a large chorus of girls. The vaudeville part of the programme is headed by the Flying Showgirls and the Bohemian Four.

THE BEHMAN SHOW AT HURTI & SEAMON'S.

Jack Singer's Behman Show will be the attraction at Hurti & Seamon's Theatre. The Behman show is the one which shattered all records in burlesque by playing more than two hundred consecutive performances at the Columbia Theatre last summer. There will be the same stars, the same scenery and costumes and the same chorus, numbering more than a score of girls, and an orchestra of male voices. The same programme as was presented during the summer run will be offered here. It includes an opening burlesque entitled "The Dope's Legacy," a review of stage stars, and a travesty on Bronson Howard's war drama, "Shenandoah." Lew Kelly, whose "dope" characterization has won him fame, heads the organization, which also includes Len Hascall, Eileen Sheridan, Harry Van, James Tombrake, Ameta Pynes and Martelle, female impersonator.

"HAZEL KIRKE" SEEN AT PHOTO PLAY HOUSES.

Steele Mackaye's famous play, "Hazel Kirke," has been made into motion pictures, which were shown yesterday at New York's leading photoplay houses. Pearl White played the part of the sixteen-year-old heroine with freshness and charm.

R R R
RADWAYS READY RELIEF
25c 50c 1.00

Free from injurious drugs, compounded according to The Famous Prescription of Dr. John Radway (a practicing physician.)

For Lumbago

Radway's Ready Relief should be well rubbed over a large surface, until a glow is produced, with a burning sensation. Few cases require the Radway Pills. Some do, when a dose on retiring would be taken.

The play gains in the climax, for the "old homestead" atmosphere, its greatest charm, "sets over" in a series of realistically rustic scenes. It is good, wholesome, melodramatic from the scene in the first reel, where Hazel saves her father's mill from foreclosure, to the very end. Bruce McLean is Bruce Rodney, who earns Hazel's gratitude, but can't win her love. William Riley Hatch does a clever bit of character acting as the old fashioned, obstinate father, and Crichton Hale as Pittacus Greene lends a light comedy touch to the scenes.

PAIN GONE! RUB SORE, RHEUMATIC, ACHING JOINTS

Rub pain away with a small trial bottle of old "St. Jacob's Oil."

Stop "dosing" Rheumatism. It's pain only; not one case in fifty requires internal treatment. Rub soothing, penetrating "St. Jacob's Oil" right on the "tender spot," and by the time you say Jack Robinson—out comes the rheumatic pain and distress. "St. Jacob's Oil" is a harmless rheumatism liniment which never disappoints and doesn't burn the skin. It takes pain, soreness and stiffness from aching joints, muscles and bones; stops sciatica, lumbago, backache and neuralgia.

Limber up! Get a small trial bottle of old-time honest "St. Jacob's Oil" from any drug store, and in a moment you'll be free from pains, aches and stiffness. Don't suffer! Rub rheumatism away—Advt.

Thousands Take BEECHAM'S PILLS

Largest Sale of Any Medicine in the World. Sold everywhere. In boxes, 10c., 25c.

VECTO
To Stop Cold in the Head
Get Ahead of the Cold

Back Achy After Grip?

GRIP leaves thousands with weak kidneys and aching backs. The kidneys have to do most of the work of fighting off grip. They weaken—slow up. Then you will feel dull and draggy, irritable or nervous, and will have headaches, dizzy spells, lame back, backache, sore joints and irregular kidney action. Give the kidneys quick help and avoid serious kidney troubles. Doan's Kidney Pills are always in unusual demand after a grip epidemic because so many people know their reliability. Greater New York people recommend Doan's. Here are some cases:

New York People Tell of Their Cases:

E. 104th Street	First Ave. (Bronx)	Seventh Av. (Brooklyn)
D. Meyers, plumber, 54 E. 104th St., says: "I think heavy lifting brought on kidney trouble. Doan's Kidney Pills had been used in the family so successfully that I decided to try them myself. They soon fixed me up in good shape. The above statement was given July 7, 1914, and on May 3, 1915, Mr. Meyers said: 'I have never found anything that has done me so much good as Doan's Kidney Pills.'"	Mrs. T. Schellenberger, 1016 First Ave., says: "I suffered for several years from weakness of the kidneys. The kidney secretions caused annoyance and I also had headaches. My back was sore, and there was a deep-seated pain across my kidneys. Doan's Kidney Pills rid me of the trouble after all the other medicines I had tried had failed to do me any good."	John E. Wagner, 512 Seventh Ave., says: "For over a year I was troubled by a crick in the small of my back, first on one side and then on the other. In the morning, I felt stiff and lame. I also noticed that the kidney secretions were highly colored. Doan's Kidney Pills stopped the backache and cleared up the kidney secretions. I recommend this medicine to my neighbors."
W. 117th Street	E. 143rd St. (Bronx)	Tenth Avenue
Mrs. D. Hennessey, 280 W. 117th St., says: "Whenever I overwork or a cold settles on my kidneys, I have a dull, tired ache in the small of my back. A few doses of Doan's Kidney Pills always rid me of the attack." (Statement given in June, 1914.) On May 7, 1915, Mrs. Hennessey added: "I have never found anything so good for kidney trouble and lame back as Doan's Kidney Pills."	B. V. Myers, 391 E. 143rd St., says: "I was troubled by backaches and other kidney disorders. A railroad man's work brings a strain on the back and kidneys. This, together with being out in all kinds of weather, naturally brings on kidney trouble. I have used Doan's Kidney Pills off and on for the past four years for these ailments and they always give satisfaction."	Mrs. Kate Clow, 437 Tenth Ave., says: "I don't hesitate to recommend anything I know is good and will benefit others. I couldn't endorse anything better than Doan's Kidney Pills. I have taken them on several occasions when my kidneys have not been acting as they should, and in every instance, I have found them to be all that is claimed for them."

DOAN'S Kidney Pills

Every Druggist has Doan's. 50c a Box. Foster-Milburn Co., Mfrs., Buffalo, N. Y.

GREENHUT'S "THE BIG STORE"

SIXTH AVE., 18th TO 19th STREET

February Furniture Sale

Begins Monday Morning

(Our Furniture Department Is Now Again in the Main Building, and Occupies the Greater Part of the 5th Floor)

This is just a word of advance information about Greenhut's February Furniture Sale which will be inaugurated with a wonderful list of specials Monday morning.

It Is One of the Two Greatest Economy Occasions of the Year

Never have we prepared so carefully or so successfully for a similar sale. And with furniture prices rising, with construction, wood, glass, labor, etc., higher than they have been in years, you will find the values in Greenhut's sale MATCHLESS.

As for example:—

Beginning Monday, We Offer ONE THOUSAND

\$37 Brass Bed Outfits, at . . . \$19.75

The Bedstead Priced Today . . . \$20
The Wire Spring Priced Today . . . \$5
The Mattress Priced Today . . . \$12
Total Value . . . \$37

Sale Monday \$19.75

As fine an outfit as you ever saw anywhere for \$37. Beautiful and wholly substantial. The outfit consists of: A BRASS BEDSTEAD (AS ILLUSTRATED) in bright, satin or Polat finish; 2-inch posts; 1-inch filling rods with heavy mounts; all regular sizes.

OUR FAMOUS "CROWN" WOVEN WIRE SPRING, heavy steel frame and high risers. A "GREENHUT SPECIAL" FELT MATTRESS, with roll edge, covered in choice of a splendid variety of art tickings.

Full details of this sale will be printed in tomorrow's advertising of this store. See Sunday's newspapers.

AS USUAL, GREENHUT'S FEBRUARY FURNITURE SALE LEADS IN VALUE GIVING.

Double 24c Green Trading Stamps with Purchases Till 12 o'Clock—Single Stamps Thereafter

